

#5

Plasmid: NFIF14B
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSPLYQLILSAFDFIKNSGQ	100
EASEMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYSQKVTTN	200
PNLRIISLNTNLYYGPNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SONITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTHRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLPESLYGLAKQFTILDS	400
KQFIKYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid: NFIF7A
Amino Acids: 364

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYS DVIAGQ	200
FYGHTHRDSIMVLSDKKGSP	220
VNSLFVAPAVTPVKS VLEKQ	240
TNNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLQPESLY	300
GLAKQFTILDSKQFIKYINY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2

1 ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG NFIF14B
1 ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG NFIF7A

51 CCGCTCCGGGCTCGGGCTGCCCGTGGCGCCCCGCAGGCGGCAGGAATCCTC NFIF14B
51 CCGCTCCGGGCTCGGGCTGCCCGTGGCGCCCCGCAGGCGGCAGGAATCCTC NFIF7A

101 CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT NFIF14B
101 CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT NFIF7A

151 ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTTCATCTAAAGG NFIF14B
151 ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTTCATCTAAAGG NFIF7A

201 TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC NFIF14B
201 TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC NFIF7A

251 CATATCAACTTATTTTTGTGAGCATTTGATTTTTATTAAAAATTCTGGACAA NFIF14B
251 CATATCAACTTATTTTTGTGAGCATTTGATTTTTATTAAAAATTCTGGACAA NFIF7A

301 GAAGCATCTTTTCATGATATGGACAGGGGGATAGCCACCTCATGTTCCCTGT NFIF14B
301 GAAGCATCTTTTCATGATATGGACAGGGGGATAGCCACCTCATGTTCCCTGT NFIF7A

351 ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA NFIF14B
351 ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA NFIF7A

401 CCACCATCCAGAGTCTCTTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT NFIF14B
401 CCACCATCCAGAGTCTCTTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT NFIF7A

451 AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCACCAGTAAAGT NFIF14B
451 AATCATGACTATTGGCCACAGG----- NFIF7A

501 GTACAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA NFIF14B
473 ----- NFIF7A

551 TTAGTACTTTAAGGAAAGGTGGTTTTTTATTCACAGAAAGTTACAACTAAT NFIF14B
473 ----- NFIF7A

601 CCAAACCTTAGGATCATCAGTCTAAACACAAACTTGTACTACGGCCCAA NFIF14B
473 ----- NFIF7A

651 TATAATGACACTGAACAAGACTGACCCAGCCAAACCAGTTTGAATGGCTAG NFIF14B
473 ----- NFIF7A

701 AAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAGGTGTATATCATA NFIF14B
473 -----TGTATATCATA NFIF7A

751 GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT NFIF14B
484 GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT NFIF7A

801 GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAATACAGTG NFIF14B
534 GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAAGTACAGTG NFIF7A

851 ATGTCATTGTCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG NFIF14B
584 ATGTCATTGTCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG NFIF7A

901 GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC NFIF14B
634 GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC NFIF7A

FIGURE 3

951 TGCTGTTACACCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTG NFIF14B
 684 TGCTGTTACACCAGTGAAGAGTGTTTTAGAAAAACAGACCAACAATCCTG NFIF7A

 1001 GTATCAGACTGTTTCAGTATGATCCTCGTGATTATAAAATTATTGGATATG NFIF14B
 734 GTATCAGACTGTTTCAGTATGATCCTCGTGATTATAAAATTATTGGATATG NFIF7A

 1051 TTGCAGTATTACTTGAATCTGACAGAGGGCGAATCTAAAGGGAGAGTCCAT NFIF14B
 784 TTGCAGTATTACTTGAATCTGACAGAGGGCGAATCTAAAGGGAGAGTCCAT NFIF7A

 1101 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF14B
 834 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC NFIF7A

 1151 AGCCGGAAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF14B
 884 AGCCGGAAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF7A

 1201 AAGCAGTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF14B
 934 AAGCAGTTTATAAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF7A

 1251 TGTAACATGTGATAAGACATGTAAGGCCCTTTCAGATTGTGCAATTATGA NFIF14B
 984 TGTAACATGTGATAAGACATGTAAGGCCCTTTCAGATTGTGCAATTATGA NFIF7A

 1301 ATCTTGATAAATATTTCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF14B
 1034 ATCTTGATAAATATTTCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF7A

 1351 CACAATTACTAG NFIF14B
 1084 CACAATTACTAG NFIF7A

FIGURE 3 (CONT'D)

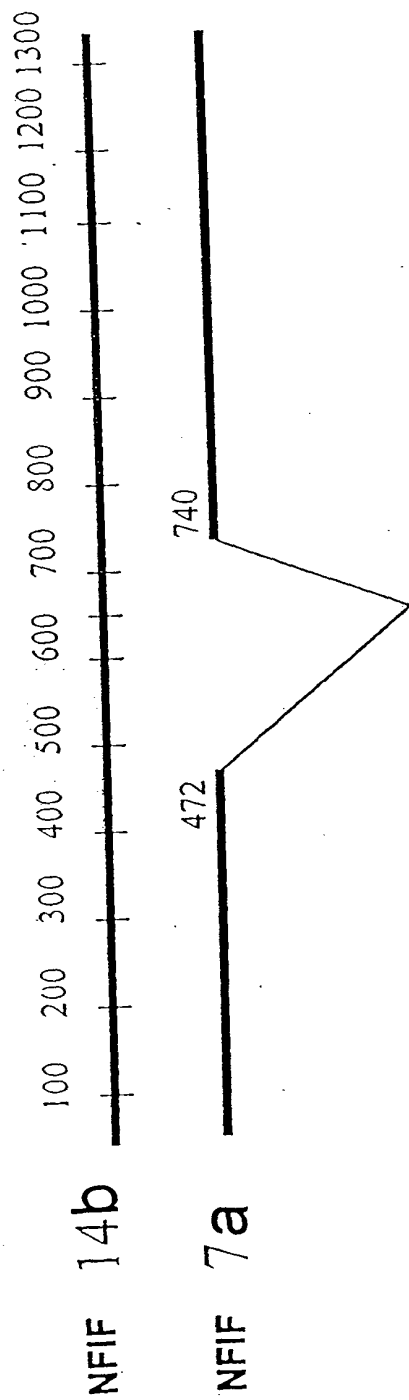


FIGURE 4

NFκB Reporter with NFIF

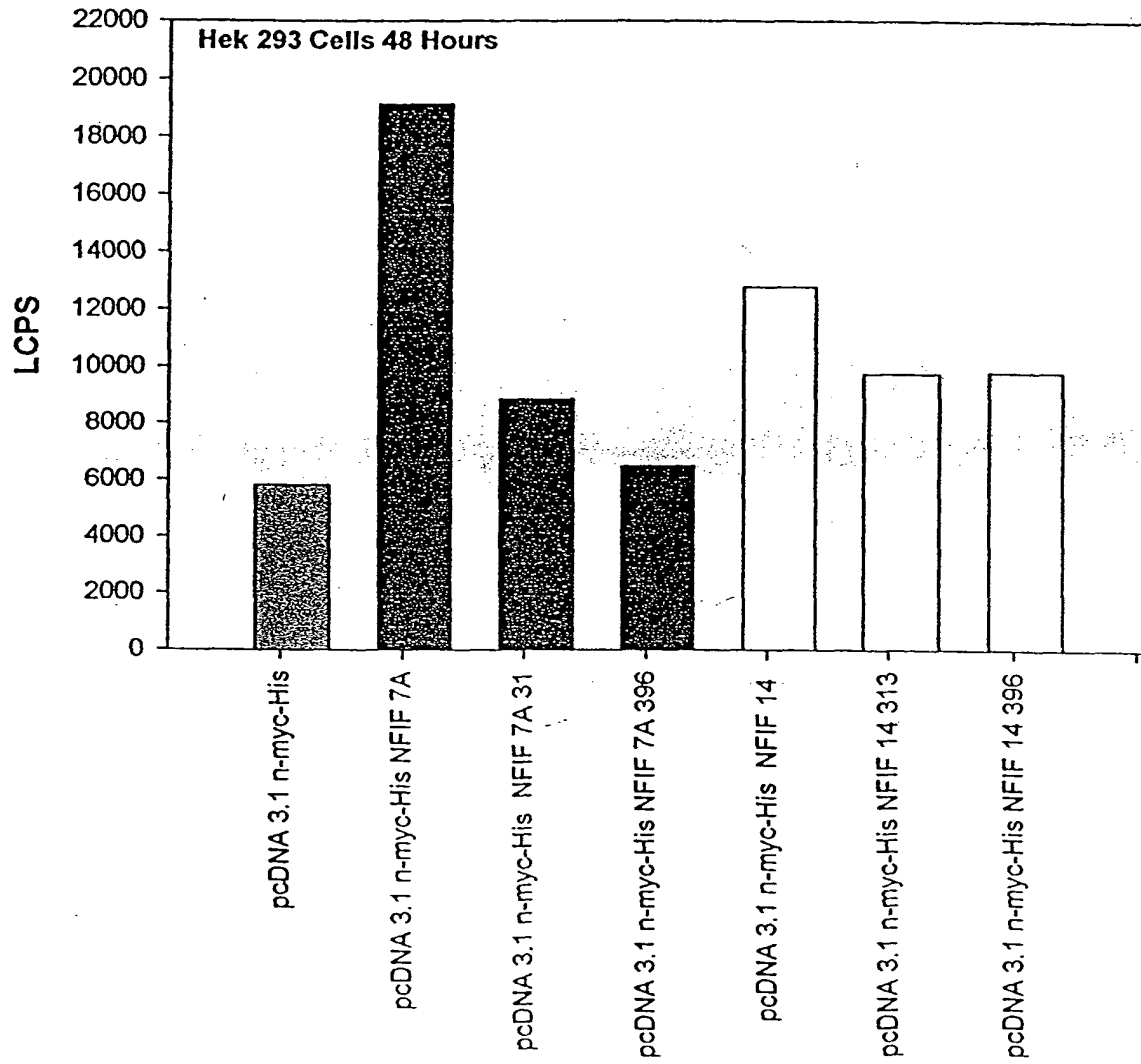


FIGURE 5

NFκB Reporter with NFIF

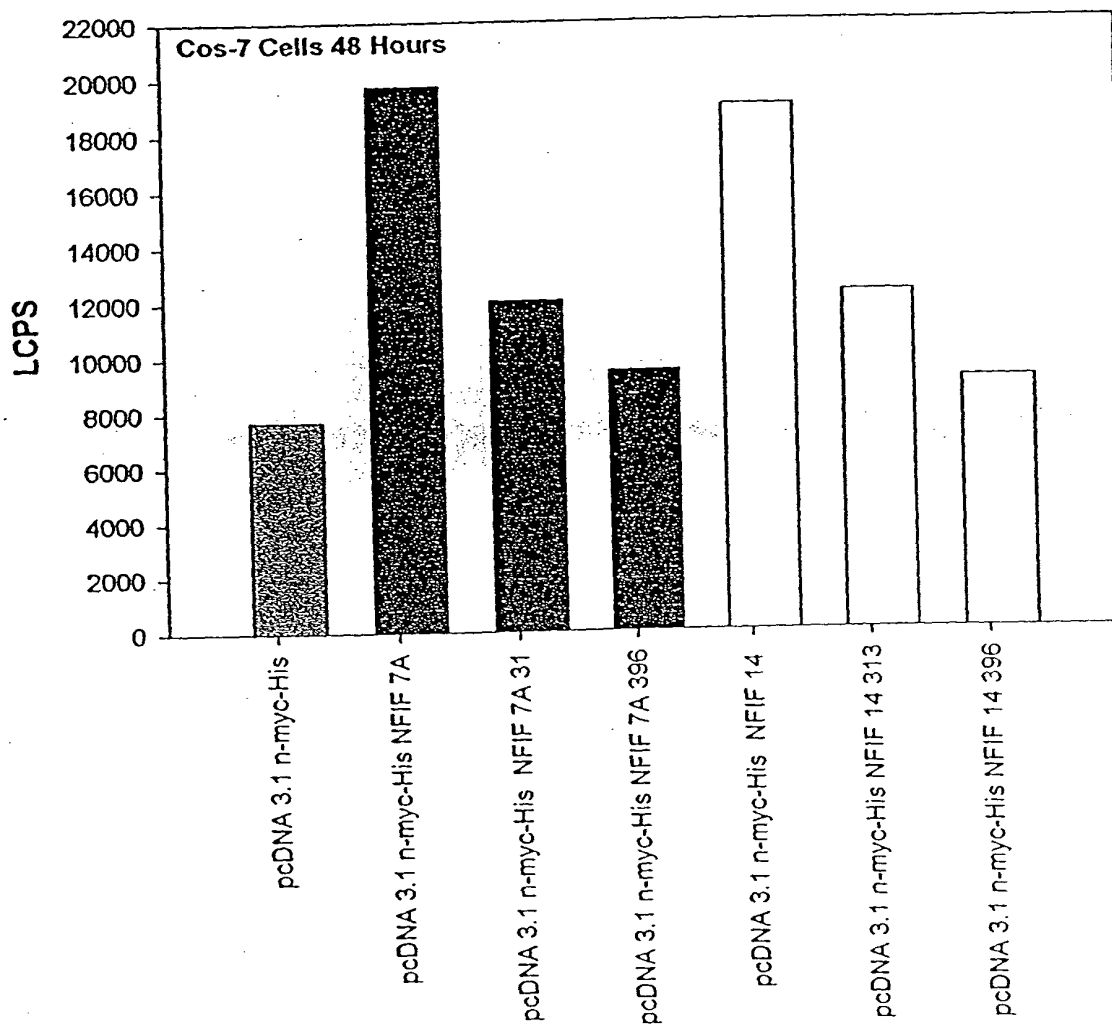


FIGURE 6

[illegible]

FIGURE 7

40500-044000

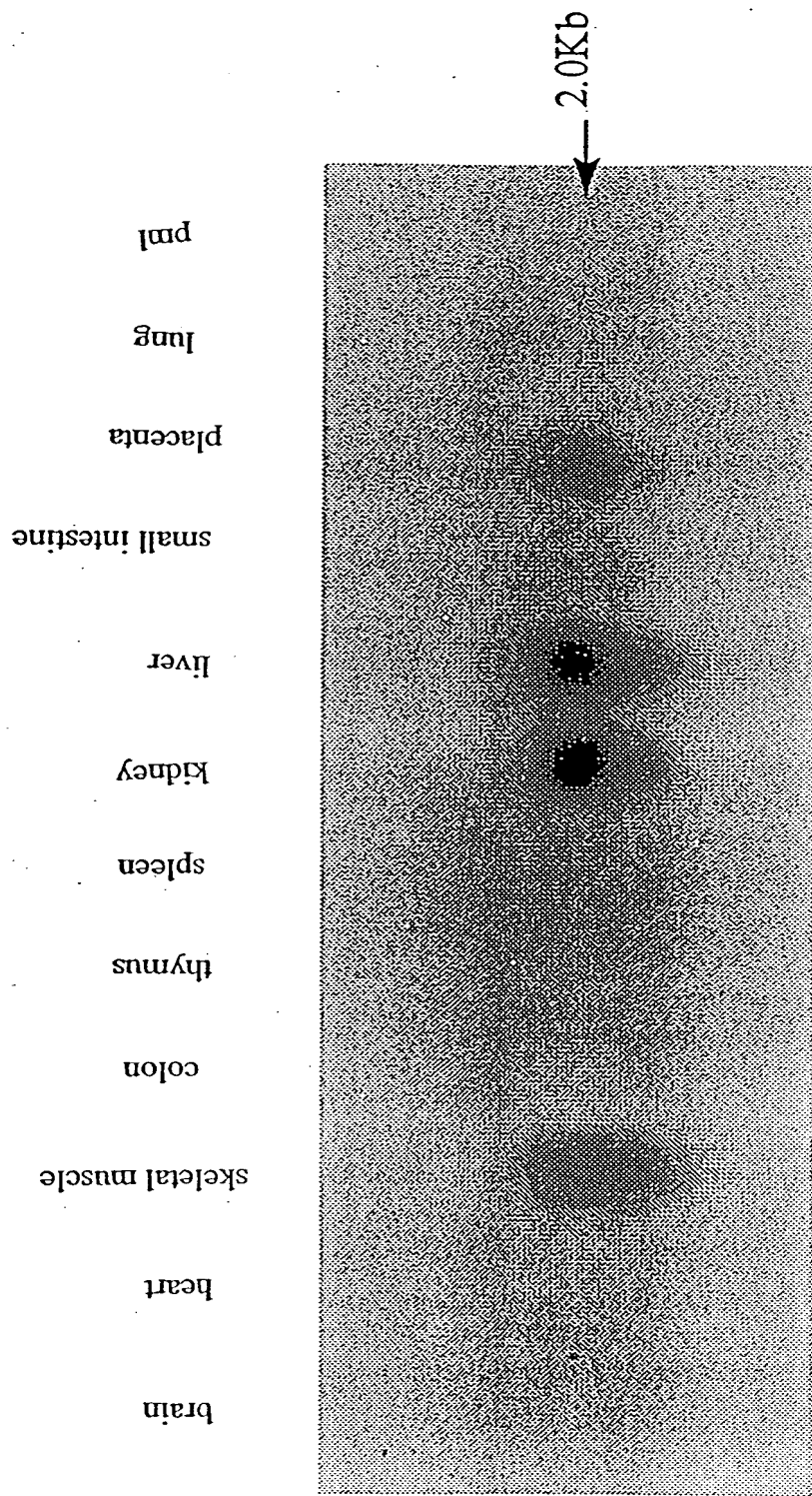


FIGURE 8